

2. Groups

Coarse aggregate shall be one of either group below as specified in the composition Table in Subsection 828.2.A.2:

- Group I—Limestone, dolomite, marble, or combination thereof
- Group II—Gravel, slag, granite and gneissic rocks, quartzite, or combination thereof

3. Aggregate for Stone Matrix Asphalt

Use coarse aggregate that meets requirements of this Section and Section 800 except as follows:

- Use Class A aggregate only with percent wear of each individual size not to exceed 45 percent based on the B grading of AASHTO T 96.
- Use aggregate which contains no more than 20 percent flat and elongated pieces (length greater than three times the average thickness) for that portion of the blend of all aggregate retained on the No. 4 (4.75 mm) sieve.

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

Test as follows:

Test	Method
Coarse Aggregate	Subsection 800.2.01.C

D. Materials Warranty

General Provisions 101 through 150.

Section 803—Stabilizer Aggregate

803.1 General Description

This section includes the requirements for stabilizer aggregate, Types I through III, and Type IV stabilizer sand.

803.1.01 Related References

A. Standard Specifications

Section 800—Coarse Aggregate

B. Referenced Documents

AASHTO T 27

AASHTO T 96

GDT 63

803.2 Materials

803.2.01 Type I Stabilizer

A. Requirements

Use the appropriate type, class, and grade of stabilizer aggregate.

Use material of uniform quality that meets the requirements of Section 800, Class A or B aggregate. Crushed concrete may be used provided it meets the requirements of Section 800 that are applicable to Group 2 aggregates. Ensure the material meets the following gradation:

Sieve Size	% Passing by Weight
1-1/2 in (37.5 mm)	100
1 in (25 mm)	80-100
No. 8 (2.36 mm)	0-5

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

Use the following test:

Test	Method
Sieve analysis	AASHTO T 27

D. Materials Warranty

General Provisions 101 through 150.

803.2.02 Type II Stabilizer Aggregate**A. Requirements**

Use material that meets the requirements of Section 800, Class A or B aggregate. Crushed concrete may be used provided it meets the requirements of Section 800 that are applicable to Group 2 aggregates.

The aggregate shall:

- Not contain overburden soil or disintegrated rock
- Have a sand equivalent value of at least 20 for material passing the No. 10 (2 mm) sieve
- Meet these gradation requirements:

Sieve Size	% Passing by Weight
2 in (50 mm)	100
1-1/2 in (37.5 mm)	95-100
No. 10 (2 mm)	15-45
No. 200 (75 µm)	0-12

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

Test type II stabilizer as follows:

Test	Method
Sieve analysis	AASHTO T 27
Sand equivalent	GDT 63

D. Materials Warranty

General Provisions 101 through 150.

803.2.03 Type III Stabilizer Aggregate**A. Requirements**

Use material that meets the requirements of Section 800, Class A or B aggregate. Crushed concrete may be used provided it meets the requirements of Section 800 that are applicable to Group 2 aggregates.

Ensure the stabilizer aggregate does not contain soil or decomposed rock and that the Sand Equivalent value of the material passing the No. 10 sieve is not less than 20.

The aggregate shall meet these gradation requirements:

Sieve Size	% Passing by Weight
6 in (150 mm)	100
2 in (50 mm)	25-75
No. 10 (2 mm)	15-35

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

Test Type III stabilizer as follows:

Test	Method
Sieve analysis	AASHTO T 27
Percent wear	AASHTO T 96

D. Materials Warranty

General Provisions 101 through 150.

803.2.04 Type IV Stabilizer Sand**A. Requirements**

Make Type IV stabilizer sand from either natural sand, manufactured sand, or any combination of natural and manufactured sands.

1. If using manufactured sand, make the sand from Class A or B crushed stone, gravel, slag, or synthetic aggregate that meets Section 800 requirements.
2. Type IV stabilizer sand shall have a sand equivalent of at least 35 for material passing the No. 10 (2 mm) sieve and shall also meet these gradation requirements.

Sieve Size	% Passing by Weight
No. 10 (2 mm)	60-100
No. 60 (250 µm)	5-40
No. 200 (75 µm)	0-20

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

Test Type IV stabilizer as follows:

Test	Method
Sieve analysis	AASHTO T 27
Sand equivalent	GDT 63

D. Materials Warranty

General Provisions 101 through 150.

Section 804—Abrasives for Blast Cleaning

804.1 General Description

This section includes the requirements for abrasives used in blast cleaning.

804.1.01 Related References**A. Standard Specifications**

General Provisions 101 through 150.

B. Referenced Documents

TCLP-EPA SWD 846-1311

AASHTO T 27 Aggregate Gradation

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